

CRANK GEAR FOR A RECIPROCATING COMPRESSOR

Abstract

Crank gear (10) for a reciprocating compressor of the
10 type equipped with at least one module which has two
lines with two opposite cylinders.

The crank gear is suitable for constraining the two cylinders to a crankshaft (20), so as to align the two cylinders, opposite each other with respect to an axis (21)
15 of the shaft (20).

The crank gear (10) is equipped with two rods (35), a series of connecting rods (30) and two cross heads (40) and (50).

The series of identical connecting rods (30) is symmetrically positioned with respect to the alignment axis (25) of the two cylinders and furthermore the overall barycentre of the series of connecting rods lies on the axis (25) and on the axis (21) of the shaft (20) so that the whole of the shaft (20) is both statically and dynamically balanced.
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